

INTERNATIONAL SEARCH REPORT

PCT/IB 03/06099

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H05B33/08 H05B35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2001 144332 A (SHARP CORP) 25 May 2001 (2001-05-25)	1, 4-15, 18-20
Y	& US 6 628 249 A (KAMIKAWA ET AL.) 30 September 2003 (2003-09-30) column 14, line 56 -column 22, line 9 column 10, line 60 -column 11, line 14 figures 9-18	2, 3, 16
Y	US 6 411 046 B1 (MUTHU SUBRAMANIAN) 25 June 2002 (2002-06-25) column 1, line 38 -column 2, line 26	2, 3, 16
A	US 6 111 362 A (COGHLAN WILLIAM A ET AL) 29 August 2000 (2000-08-29) the whole document	1-20

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

30 March 2004

Date of mailing of the International search report

03/05/2004

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
JP 2001144332	A	25-05-2001	US US	2004027319 A1 6628249 B1		12-02-2004 30-09-2003
US 6411046	B1	25-06-2002	CN EP WO	1443304 T 1348318 A2 02052901 A2		17-09-2003 01-10-2003 04-07-2002
US 6111362	A	29-08-2000	EP JP WO	1135763 A1 2002529896 T 0028515 A1		26-09-2001 10-09-2002 18-05-2000